

PART C: 390 MHz - 890 MHz

390 - 402 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
<p>390 - 399.9 MHz</p> <p>FIXED</p> <p>MOBILE 5.254</p>	<p>MOBILE 5.254</p> <p>NF12</p>	<p>Digital Trunking (Emergency) 390 -397MHz</p> <p>Public Protection Digital Radio 380 - 385 MHz</p> <p>Digital Trunking 397-399.9 MHz</p>	<p>Paired with 380 – 387MHz</p> <p>paired with 390 - 395 MHz</p> <p>Paired with 387– 390 MHz</p>
<p>399.9 – 400.05 MHz</p> <p>MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A</p>	<p>MOBILE-SATELLITE (Earth-to-space) 5.209 5.224A</p>		

<p>RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260</p> <p>5.220</p>	<p>RADIONAVIGATION-SATELLITE 5.222 5.224B 5.260</p> <p>5.220</p>		
<p>400.05 - 400.15 MHz</p> <p>STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)</p> <p>5.261 5.262</p>	<p>STANDARD FREQUENCY AND TIME SIGNAL-SATELLITE (400.1 MHz)</p> <p>5.261</p>		
<p>400.15 - 401 MHz</p> <p>METEOROLOGICAL AIDS</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to- Earth) 5.208A 5.209 5.208B</p> <p>SPACE RESEARCH (space-to- Earth) 5.263</p>	<p>METEOROLOGICAL AIDS</p> <p>METEOROLOGICAL-SATELLITE (space-to-Earth)</p> <p>MOBILE-SATELLITE (space-to- Earth) 5.208A 5.209 5.208B</p> <p>SPACE RESEARCH (space-to- Earth) 5.263</p>	<p>Radio Sounding</p>	

Space operation (space-to-Earth)	Space operation (space-to-Earth)		
5.262 5.264	5.264		
401-402 MHz METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth) EARTH EXPLORATION- SATELLITE (Earth-to-space) METEOROLOGICAL-SATELLITE (Earth-to-space) Fixed Mobile except aeronautical mobile	METEOROLOGICAL AIDS SPACE OPERATION (space-to-Earth)	Radio Sondes Data uplink to Geostationery Satellite Orbit.	

402 – 410 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
<p>402 - 403 MHz</p> <p>METEOROLOGICAL AIDS</p> <p>EARTH EXPLORATION- SATELLITE (Earth-to-space)</p> <p>METEOROLOGICAL-SATELLITE (Earth-to-space)</p> <p>Fixed</p> <p>Mobile except aeronautical mobile</p>	<p>METEOROLOGICAL AIDS</p>	<p>Radio Sondes</p> <p>Medical Implants 402 – 405 MHz</p> <p>Various SRD's 402 – 406 MHz</p>	<p>Government Gazette No 31290, Notice No 926 of 2008 refers</p>

<p>403 - 4 06 MHz</p> <p>METEOROLOGICAL AIDS</p> <p>Fixed</p> <p>Mobile except aeronautical mobile</p>	<p>METEOROLOGICAL AIDS</p>	<p>Radiosondes</p> <p>Medical Implants 402 – 405 MHz</p> <p>Short Range Devices 402 – 406 MHz</p>	<p>Government Gazette No 31290, Notice No 926 of 2008 refers</p>
<p>406 - 406.1 MHz</p> <p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.266 5.267</p>	<p>MOBILE-SATELLITE (Earth-to-space)</p> <p>5.266 5.267</p>	<p>Emergency Position Indicating Radio Beacon (EPIRB)</p>	<p>Public Locator Beacon</p>
<p>406.1 - 410 MHz</p>			

FIXED			FIXED		Fixed Links 406.1 – 407.625 MHz	Paired with 416.1 – 417.625 MHz	
					Fixed links 407.625 – 410 MHz	Paired with 417.625 – 420 MHz	
MOBILE mobile	except	aeronautical	MOBILE mobile	except	aeronautical	Mobile MTX 406.1 - 407.625 MHz	Paired with 416.1 – 417.625 MHz
					Mobile MTX 407.625 – 410 MHz	Paired with 417.625 - 420 MHz Allocated for Government use and Disaster Relief	
					Mobile MTX 410- 413 MHz	Paired with 420- 423 MHz Digital Trunking	
			NF13				
RADIO ASTRONOMY			RADIO ASTRONOMY				
5.149			5.149				

410 – 430 MHz

ITU Region 1	South African	Typical Applications	Notes and Comments
<p>410 - 420 MHz</p> <p>FIXED</p> <p>MOBILE except aeronautical mobile</p>	<p>FIXED</p> <p>MOBILE except aeronautical mobile</p> <p>NF13</p>	<p>413 - 416.1 MHz</p>	<p>Paired with 423 - 426.1 MHz</p>
		<p>Mobile MTX 407.625 – 413 MHz</p>	<p>Paired with 417.625 - 423 MHz Allocation for Government Services</p>
		<p>Mobile Data MTX 413 - 413.7625 MHz</p>	<p>Paired with 423 - 423.7625 MHz</p>
		<p>Public Trunking MTX 413.7625 - 416.1 MHz</p>	<p>Paired with 423.7625 - 426.1 MHz Public Digital Trunking</p>
		<p>Mobile BTX 416.1 – 417.625 MHz</p>	<p>Paired with 406.1 - 407.625 MHz</p>

SPACE RESEARCH (space-to-space) 5.268	SPACE RESEARCH (space-to-space) 5.268		
420 - 430 MHz			
FIXED	FIXED	Single Frequency Links 426.1 – 430 MHz	Frequencies will only be assigned for SF links where migration above 1 GHz would be impractical
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile	Trunked Mobile BTX 420 - 423 MHz	Paired with 410 - 413 MHz Digital Trunked Mobile radio for Government use
		Public Mobile Data BTX 423 - 423.7625 MHz	Paired with 413 – 413.7625 MHz
		Public Trunking BTX 423.7625 - 426.1 MHz	Paired with 413.7626 - 416.1 MHz Public Trunking using digital mobile radio
Radiolocation	NF13		
5.269			

430 – 450 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
<p>430 - 432 MHz</p> <p>AMATEUR</p> <p>RADIOLOCATION</p> <p>5.272 5.273 5.274 5.275 5.276 5.277</p>	<p>AMATEUR 430 – 440 MHz NF14</p>		
<p>432 - 438 MHz</p> <p>AMATEUR</p> <p>5.282</p> <p>RADIOLOCATION</p> <p>Earth exploration-satellite (active) 5.279A</p>	<p>AMATEUR 430 – 440 MHz NF14 5.138</p> <p>Amateur Satellite NF14</p>	<p>Amateur-Satellite</p>	<p>Subject to conditions in RR 5.282</p>

5.138 5.272 5.276 5.277 5.280 5.281	Mobile	ISM 433.05 – 434.79 MHz Non Specific SRD including RFID	2008 RR 5.138, government Gazette No 31127, Notice No 713 of 2008 and Government Gazette No 31290, Notice No 926 of 2008 refer
438 - 440 MHz AMATEUR RADIOLOCATION 5.273 5.274 5.275 5.276 5.277 5.283	AMATEUR NF14		License Class A1,A2,B as per the Amateur Radio Regulations
440 - 450 MHz FIXED	FIXED	Telemetry / Data BTX 440 – 441 MHz	Paired with 445 - 446 MHz (MTX) Channels 440.0125, 440.3625, 445.0125 and 445.3625 MHz are used for Agricultural Telemetry.

			Telemetry / Data MTX 445 - 446 MHz	Paired with 440 - 441 MHz (BTX)
MOBILE except aeronautical mobile	MOBILE except aeronautical mobile		Single Frequency Mobile 441 – 441.1 MHz	Channels 440 - 440.100 and 445.00 - 445.100 MHz are used as simplex. Channels 440.275, 440.2875, 445.2750, 445.2875, 440.375 and 445.375 MHz are roving simplex channels.
			Mobile BTX 441.1 – 445 MHz	Paired with 446.1 - 450 MHz (MTX)
			Mobile: PMR 446 446 - 446.1 MHz	8 channels as contained in Government Gazette No. 31290 Notice No. 926 of 208
			Mobile 446.1 - 450 MHz	Paired with 441.1 - 445 MHz
Radiolocation				
5.269 5.270 5.286	NF15			
450 - 455 MHz				
FIXED	FIXED NF15		Fixed Links 450 – 453 MHz	Paired with 460 - 463 MHz

<p>MOBILE 5.286AA</p> <p>5.209 5.286 [5.5.286B 5.286C 5.5.286E</p>	<p>MOBILE 5.286AA</p> <p>5.209 NF16</p>	<p>Single Frequency Mobile 453.025 - 453.975 MHz</p> <p>Paging 453.975 - 454.425 MHz</p> <p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Government Services</p> <p>Paired with 464.425 - 470 MHz</p>
<p>455 - 456 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p>	<p>FIXED</p> <p>NF15</p> <p>MOBILE 5.286AA NF16</p>	<p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Paired with 464.425 - 470 MHz</p> <p>Government Services</p>

5.209 5.286B			
5.286C 5.286E	5.209		
456 - 459 MHz			
FIXED	FIXED		
	NF15		
MOBILE 5.286AA	MOBILE 5.286AA NF16	Trunked Mobile BTX 454.425 – 460 MHz	Paired with 464.425 - 470 MHz Government Services
5.271 5.287 5.288	5.286AA 5.287		

459 – 862 MHz

ITU Region 1 Allocations	South African Allocations	Typical Applications	Comments
<p>459 - 460 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p> <p>5.209 5.286B 5.286C 5.286E</p>	<p>FIXED</p> <p>NF15</p> <p>MOBILE 5.286AA NF16</p> <p>5.209</p>	<p>Trunked Mobile BTX 454.425 – 460 MHz</p>	<p>Paired with 464.425 - 470 MHz</p> <p>Government Services</p>
<p>460-470 MHz</p> <p>FIXED</p> <p>MOBILE 5.286AA</p>	<p>FIXED</p> <p>NF15</p> <p>MOBILE 5.286AA NF16</p>	<p>Fixed Links 460 – 463 MHz</p> <p>Single Frequency Mobile 463.025 - 463.975 MHz</p>	<p>Paired with 450 - 453 MHz</p>

<p>Meteorological-Satellite (space-to-Earth)</p> <p>5.287 5.288 5.289</p>	<p>5.287</p>	<p>Low Power Mobile Radio 463.975 - 464.425 MHz</p> <p>Trunked Mobile MTX 464.425 – 470 MHz</p>	<p>Government Gazette No 31290, Notice No 926 of 2008 refers 464.375 - 464.425 MHz to be dedicated for control of hazardous equipment</p> <p>Paired with 454.425 - 460 MHz</p> <p>Government Services</p>
<p>470 - 790 MHz</p> <p>BROADCASTING</p>	<p>BROADCASTING</p> <p>RADIO ASTRONOMY</p>	<p>Television Broadcasting 470 – 854 MHz</p> <p>Radio astronomy 606 -614 MHz</p>	<p>Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06</p>

<p>5.149 5.291A 5.294 5.296 5.300 5.302 5.304 5.306 5.311A 5.312</p>	<p>5.149 5.304 5.311A</p>		
<p>790 - 862 MHz</p> <p>FIXED</p> <p>BROADCASTING</p> <p>MOBILE except aeronautical mobile 5.316B 5.317A</p> <p>5.312 5.314 5.315 5.316A 5.319</p>	<p>FIXED</p> <p>BROADCASTING</p> <p>MOBILE except aeronautical mobile 5.316B</p> <p>5.316A 5.316B NF17</p>	<p>Fixed links 856 - 864.1 MHz</p> <p>Television Broadcasting 470 – 854 MHz</p>	<p>The fixed links will be migrated along with the broadcasting service after the dual illumination period.</p> <p>Broadcasting Allotments in accordance with GE 89 plan in the process of conversion to GE 06</p> <p>IMT 790 – 862 MHz</p>

862 – 890 MHz

ITU Region 1 Allocation	South African	Typical Applications	Notes and
<p>862-890 MHz</p> <p>FIXED</p> <p>MOBILE except Aeronautical mobile 5.317A</p> <p>BROADCASTING 5.322 5.319</p>	<p>FIXED</p> <p>MOBILE except Aeronautical mobile 5.317A NF 18, NF 19, NF 20</p>	<p>Fixed Links 868.1 - 876 MHz</p> <p>Wireless Audio systems 863 – 865 MHz</p> <p>865 - 868 MHz RFID; Non Specific SRD and RFID 869.4 – 869.65 MHz</p> <p>Alarms 868.6 – 868.7 MHz, 869.25 – 869.3 MHz, 869.65 – 869.7 MHz</p> <p>Mobile Wireless Access 824 - 849 MHz</p> <p>Mobile MTX 880 - 890 MHz</p>	<p>Government Gazette No 31127, Notice No 713 of 2008 and Government Gazette No 31290, Notice No 926 of 2008 refer</p> <p>Paired with 869 - 894 MHz</p> <p>Paired with 925 -935 MHz</p>

5.323				
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